

Appendix C



Maine Northern Railway - Madawaska Subdivion MaineDOT FASTLANE Grant Preliminary Project Schedule



| ID | Task Mod | Task Name | Duration | Start | Finish | Predecessors | Qtr 2, 2017 | | | Qtr 3, 2017 | | | Qtr 4, 2017 | | | Qtr 1, 2018 | | | Qtr 2, 2018 | | | Qtr 3, 2018 | | | Qtr 4, 2018 | | | Qtr 1, 2019 | | | Qtr 2, 2019 | | |
|----|----------|-------------------------------------|-----------------|-------------------|--------------------|--------------|---|-----|-----|-------------|-----|-----|-------------|-----|-----|-------------|-----|-----|-------------|-----|-----|-------------|-----|-----|-------------|-----|-----|-------------|-----|-----|-------------|-----|-----|
| | | | | | | | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun |
| 1 | | Preliminary Program Schedule | 759 days | Mon 5/1/17 | Wed 5/29/19 | | [Gantt bar spanning from start to finish] | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | Anticipated Grant Award | 1 day | Mon 5/1/17 | Mon 5/1/17 | | [Gantt bar] | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | Environmental Permitting | 277 days | Mon 5/1/17 | Thu 2/1/18 | | [Gantt bar] | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | Design of Year 1 Bridges | 153 days | Mon 5/1/17 | Sat 9/30/17 | | [Gantt bar] | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | Award of Year 1 Bridges | 30 days | Sun 10/1/17 | Mon 10/30/17 | 4 | [Gantt bar] | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | Year 1 Bridges Construction | 152 days | Tue 10/31/17 | Sat 3/31/18 | 5 | [Gantt bar] | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | Design of Year 2 Bridges | 151 days | Sun 10/1/17 | Wed 2/28/18 | | [Gantt bar] | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | Award of Year 2 Bridges | 30 days | Thu 3/1/18 | Fri 3/30/18 | 7 | [Gantt bar] | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | Year 2 Bridges Construction | 365 days | Sat 3/31/18 | Sat 3/30/19 | 8 | [Gantt bar] | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | Final Acceptance | 30 days | Tue 4/30/19 | Wed 5/29/19 | 6,9 | [Gantt bar] | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|---|-----------|--|--------------------|--|--------------------|--|-----------------------|--|----------|--|
| Project: Schedule Date: Wed 11/30/16 | Task | | Project Summary | | Inactive Milestone | | Manual Summary Rollup | | Deadline | |
| | Split | | External Tasks | | Inactive Summary | | Manual Summary | | Progress | |
| | Milestone | | External Milestone | | Manual Task | | Start-only | | | |
| | Summary | | Inactive Task | | Duration-only | | Finish-only | | | |



**Madawaska Subdivision of the Maine Northern Railroad
FASTLANE Grant Application Support
Breakdown of Program Costs**

| Bridge No. | Mile Post | Crosses | Type | Superstructure Strengthening and Repairs | Truss Strengthening and Repairs | Superstructure Replacement | Culvert Replacement | Bearing Repairs / Replacement | Bridge Timber Replacement | Substructure Repairs | Site Access / Maint. of Roadway Traffic | Maint. of RR Traffic/Protection Cost | Mobilization | Misc. Items | Contingency | Total Conceptual Cost Estimate |
|-------------------------------|-----------|---------------------------------|-----------------------------|--|---------------------------------|----------------------------|---------------------|-------------------------------|---------------------------|----------------------|---|--------------------------------------|--------------------|------------------|--------------------|--------------------------------|
| 7763 | 111.14 | South Meadow Brook | I Beam | -- | -- | \$220,000 | -- | \$5,000 | -- | \$10,100 | \$15,000 | \$10,000 | \$27,000 | \$30,000 | \$33,000 | \$360,000 |
| 814 | 113.14 | Route 11 | Thru Plate Girder | \$95,000 | -- | -- | -- | -- | -- | \$37,800 | \$25,000 | \$10,000 | \$17,000 | \$19,000 | \$21,000 | \$230,000 |
| 7766 | 113.14 | East Branch Penobscot, Route 11 | Thru Truss | -- | \$12,500 | -- | -- | -- | \$360,000 | -- | \$5,000 | \$10,000 | \$39,000 | \$22,000 | \$45,000 | \$500,000 |
| 7771 | 139.56 | Fish Stream | Thru Plate Girder | \$57,000 | -- | -- | -- | -- | -- | \$52,600 | \$5,000 | \$20,000 | \$14,000 | \$15,000 | \$17,000 | \$190,000 |
| 7772 | 139.66 | West Branch Mattawamkeag | Thru Plate Girder | -- | -- | -- | -- | -- | \$3,600 | \$93,500 | \$15,000 | \$10,000 | \$13,000 | \$14,000 | \$15,000 | \$170,000 |
| 3504 | 148.70 | Ridge Road | Ballasted Thru Plate Girder | \$66,000 | -- | -- | -- | -- | -- | \$29,950 | \$20,000 | \$10,000 | \$13,000 | \$14,000 | \$16,000 | \$170,000 |
| 7775 | 151.54 | East Branch Mattawamkeag | Thru Plate Girder | \$131,300 | -- | -- | -- | \$4,000 | -- | \$19,100 | \$15,000 | \$10,000 | \$18,000 | \$20,000 | \$22,000 | \$240,000 |
| 7776 | 154.04 | Soule Brook | I Beam | -- | -- | \$120,000 | -- | \$17,600 | -- | \$17,800 | \$25,000 | \$10,000 | \$20,000 | \$22,000 | \$24,000 | \$260,000 |
| 7777 | 154.59 | Dudley Brook | Thru Plate Girder | \$89,300 | -- | -- | -- | -- | \$81,000 | \$13,450 | \$15,000 | \$15,000 | \$22,000 | \$24,000 | \$26,000 | \$290,000 |
| N/A | 155.09 | Moose Brook | Concrete Slab | -- | -- | \$85,000 | -- | \$5,000 | -- | \$12,800 | \$15,000 | \$10,000 | \$13,000 | \$15,000 | \$16,000 | \$180,000 |
| 7778 | 161.03 | Smith Brook | Thru Plate Girder | \$129,790 | -- | -- | -- | \$8,800 | \$108,000 | \$17,000 | \$15,000 | \$10,000 | \$29,000 | \$32,000 | \$35,000 | \$390,000 |
| 7779 | 164.74 | Howe Brook | Thru Plate Girder | \$95,400 | -- | -- | -- | -- | -- | \$10,500 | \$15,000 | \$15,000 | \$14,000 | \$15,000 | \$17,000 | \$190,000 |
| 7780 | 167.76 | Beaver Brook | Deck Plate Girder | \$70,100 | -- | -- | -- | -- | \$41,400 | \$24,200 | \$15,000 | \$15,000 | \$17,000 | \$19,000 | \$21,000 | \$230,000 |
| 7781 | 179.34 | North Branch Blackwater River | Deck Plate Girder | \$70,100 | -- | -- | -- | -- | -- | \$26,900 | \$15,000 | \$15,000 | \$13,000 | \$14,000 | \$16,000 | \$170,000 |
| 7782 | 185.84 | Squapan Stream | Thru Plate Girder | \$128,800 | -- | -- | -- | \$4,000 | \$900 | \$24,500 | \$15,000 | \$10,000 | \$19,000 | \$21,000 | \$23,000 | \$250,000 |
| 7783 | 193.5 | Sheridan Rd/Aroostook River | Deck Truss | -- | \$2,720,000 | -- | -- | \$80,000 | \$536,400 | \$137,000 | \$15,000 | \$60,000 | \$355,000 | \$196,000 | \$410,000 | \$4,510,000 |
| 7783 | 193.5 | Sheridan Rd/Aroostook River | Deck Plate Girder | \$270,000 | -- | -- | -- | -- | \$126,000 | \$41,000 | \$15,000 | \$10,000 | \$47,000 | \$51,000 | \$56,000 | \$620,000 |
| 7785 | 224.51 | Fish River | Deck Plate Girder | \$20,000 | -- | -- | -- | -- | -- | \$358,000 | \$30,000 | \$10,000 | \$42,000 | \$46,000 | \$51,000 | \$560,000 |
| 7787 | 236.44 | Wallagrass Stream | Thru Plate Girder | \$49,950 | -- | -- | -- | \$4,000 | -- | \$222,900 | \$30,000 | \$20,000 | \$33,000 | \$36,000 | \$40,000 | \$440,000 |
| 7788 | 241.83 | Fish River | Deck Plate Girder | \$30,000 | -- | -- | -- | \$13,200 | -- | \$1,136,000 | \$5,000 | \$15,000 | \$120,000 | \$132,000 | \$146,000 | \$1,600,000 |
| 7792 | 253.87 | Dickey Brook | Thru Plate Girder | \$149,500 | -- | -- | -- | -- | -- | \$113,400 | \$15,000 | \$10,000 | \$29,000 | \$32,000 | \$35,000 | \$390,000 |
| 7831 | 259.11 | Gagnon Brook | Concrete Arch | -- | -- | -- | \$924,300 | -- | -- | -- | \$25,000 | \$20,000 | \$97,000 | \$107,000 | \$118,000 | \$1,300,000 |
| Totals (2016 Dollars): | | | | \$1,460,000 | \$2,740,000 | \$430,000 | \$930,000 | \$150,000 | \$1,260,000 | \$2,400,000 | \$370,000 | \$330,000 | \$1,020,000 | \$900,000 | \$1,210,000 | \$13,240,000 |

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|---|---------------------|
| Total Conceptual Construction Cost Estimate (2016 Dollars): | \$13,240,000 |
| Preliminary Engineering (6%): | \$794,400 |
| Construction Engineering (6%): | \$794,400 |
| Total Program Conceptual Cost Estimate (2016 Dollars): | \$14,830,000 |
| | \$950,000 |
| Total Program Cost (Factored for 2018/2019 Construction) | \$15,780,000 |